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PTO/SB/05 (11-00)

Approved for use through 10/31/2002, OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

TI-34777

First Inventor

Khurram Muhammad

Title

Image Reject Filtering in a Direct Sampling Mixer

Express Mail Label No.

ER 626305275 US

USPTO

10782888

042004

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

**ADDRESS TO:**Mail Stop Patent Application  
P.O. Box 1450  
Alexandria, VA 22313-1450

1. <input checked="" type="checkbox"/>	Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)	7. <input type="checkbox"/>	CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
2. <input type="checkbox"/>	Applicant claims small entity status. See 37 CFR 1.27.	8. <input type="checkbox"/>	Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
3. <input checked="" type="checkbox"/>	Specification (preferred arrangement set forth below)	[ Total Pages <b>21</b> ]	a. <input type="checkbox"/> Computer Readable Form (CRF)
	- Descriptive title of the Invention		b. <input type="checkbox"/> Specification Sequence Listing on:
	- Cross Reference to Related Applications		i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or
	- Statement Regarding Fed sponsored R & D		ii. <input type="checkbox"/> paper
	- Reference to sequence listing, a table, or a computer program listing appendix		c. <input type="checkbox"/> Statements verifying identity of above copies
	- Background of the Invention		
	- Brief Summary of the Invention		
	- Brief Description of the Drawings (if filed)		
	- Detailed Description		
	- Claim(s)		
	- Abstract of the Disclosure		
4. <input checked="" type="checkbox"/>	Drawing(s) (35 U.S.C. 113) Sheets	[ Total <b>6</b> ]	9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & documents(s))
5. Oath or Declaration Pages	[ Total <b>1</b> ]	10. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee)	<input checked="" type="checkbox"/> Power of Attorney
a. <input checked="" type="checkbox"/>	Newly Executed (original or copy)	11. <input type="checkbox"/> English Translation Document (if applicable)	
b. <input type="checkbox"/>	Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)	12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449	<input type="checkbox"/> Copies of IDS Citations
i. <input type="checkbox"/>	<b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).	13. <input type="checkbox"/> Preliminary Amendment	
6. <input type="checkbox"/>	Application Data Sheet. See 37 CFR 1.76	14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)	
		15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)	
		16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.	
		17. <input type="checkbox"/> Other:	

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation     Divisional     Continuation-in-part (CIP)

of prior application No: \_\_\_\_\_ / \_\_\_\_\_

Prior application information:

Examiner \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

Customer Number or Bar Code Label

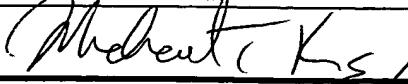
23494

(Insert Customer No. or Attach bar code label here)

or

 Correspondence address below

NAME	Texas Instruments Incorporated		
ADDRESS			
CITY	STATE	ZIP CODE	
COUNTRY	TELEPHONE	W. James Brady 972-917-4371	FAX (972)917-4418

Name (Print/Type)	Michael T. Konczal	Registration No. (Attorney/Agent)	45,475
Signature			Date 04/20/04



U.S.P.T.O.

# FEE TRANSMITTAL for FY 2004

TOTAL AMOUNT OF PAYMENT

\$ 914

## Complete If Known

Application Number	
Filing Date	
First Named Inventor	Khurram Muhammad
Examiner Name	
Group Art Unit	

Attorney Docket No. TI-34777

## METHOD OF PAYMENT

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number  
20-0668

Deposit Account Name  
Texas Instruments Incorporated

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

Applicant claims small entity status. See 37 CFR 1.27

2.  Payment Enclosed:

Check  Credit card  Money Order  Other

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Fee Code	Large Entity Fee (\$)	Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee of oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	N/A	130	Non-English specification	
1812	2,520	N/A	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	N/A	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	N/A	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	N/A	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	N/A	130	Petitions to the Commissioner	
1807	50	N/A	50	Processing fee for provisional applications	
1806	180	N/A	180	Submission of information Disclosure Stmt	
8021	40	N/A	40	Recording each patent assignment per property (times number of properties)	40
1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	N/A	900	Request for expedited examination of a design application	
Other fee (specify) _____					

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) \$ 40

\*\*or number previously paid, if greater; For Reissue, see above

## SUBMITTED BY

Michael T. Konczal

Complete (if applicable)

Name (Print/Type)

Registration No.  
(Attorney/Agent)

45,475

Telephone

214-228-3641

Signature

Date

04/20/04

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

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**PRACTICE LIMITED TO PATENTS, TRADEMARKS,  
AND  
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**April 20, 2004**

**Via Express Mail: ER 626305275 US**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Re: Utility Patent Application For:  
Image Reject Filtering in a Direct Sampling Mixer  
Attorney Docket: TI-34777**

Dear Sir:

Enclosed for filing please find the following items relating to the above-identified patent application:

- (1) Utility Patent Application Transmittal;
- (2) Specification;
- (3) 6 Sheets of Formal Drawings;
- (3) Fee Authorization/Transmittal Form;
- (4) Declaration and Power of Attorney;
- (5) Assignment and Recordation Cover Sheet; and
- (6) Postcards (2).

Please charge Deposit Account No. 20-0668 in the amount of the total fees set forth. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 20-0668.



**Michael T. Konczal**  
Registration No. 45,475